

# GeoPlatform

Community ToolKit (CTK) and API

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# Community ToolKit

A collection of tools for content teams to extend and customize the Community experience for users.

Used by the GeoPlatform home page - <https://www.geoplatform.gov> - and in community spaces such as <https://communities.geoplatform.gov/resilience>

## Features:

- Designed with security best practices in mind
- Compatible with many WordPress themes, plugins, and widgets
- Released under Apache 2 license in WordPress marketplace

# Available CTK Plugins

## Community Search Plugin

**Resilience Resources**

Search for items

1 - 10 of 436

- Water quality, meteorological, and nutrient data collected by the the National Estuarine Research ...  
dc:Dataset  
Modified: 10/26/2018, 2:47:36 PM
- Water-level change, High Plains aquifer, 2005 to 2009  
dc:Dataset  
Modified: 10/26/2018, 2:46:45 PM
- Water-level change, High Plains aquifer, 2000 to 2005  
dc:Dataset  
Modified: 10/26/2018, 2:46:06 PM
- Water-level change, High Plains aquifer, 1995 to 2000  
dc:Dataset  
Modified: 10/26/2018, 2:45:23 PM
- Water-level change, High Plains aquifer, 1980 to 1995  
dc:Dataset  
Modified: 10/26/2018, 2:44:29 PM
- Clean Watersheds Needs Survey Line  
Layer  
Modified: 10/26/2018, 11:46:11 AM
- Clean Watersheds Needs Survey Point  
Layer  
Modified: 10/26/2018, 11:46:11 AM
- CWNS\_NP21  
regp:Service  
Modified: 10/26/2018, 11:46:11 AM
- EnviroAtlas Master Web Service for National  
regp:Service  
Modified: 10/22/2018, 1:31:42 PM
- Acres of pollinated crops with no nearby pollinator habitat  
Layer  
Modified: 10/22/2018, 1:31:24 PM

## Map Plugin

**20 March 2018 East Coast Winter Storm**

Our region hit by winter storm

**Layer Menu**

- GOES Northern Hemisphere Shortwave Infrared Composite
- WatchesWarnings

## Portfolio Search Plugin

Search the GeoPlatform

Search

**Add Constraints...**

- Communities
- Creator
- Geographic Extent
- Keywords
- Points of Contact
- Publishers
- Semantic Concepts
- Temporal Extent
- Themes

Portfolio Site Content

22015 results 10 per page 1

Most recently modified

- FEMA NSS Open Shelters**  
Map by JacobStephens | created Oct 29, 2018 | last modified Oct 29, 2018  
This service maintains a layer of active open shelters across the US.  
[Find similar items](#)
- FEMA NSS Open Shelters**  
Service by JacobStephens | created Oct 29, 2018 | last modified Oct 29, 2018  
serviceDescription: This web service displays data from the FEMA National Shelter System database. The FEMA NSS database is synchronized every morning with the American Red Cross shelter database. After this daily refresh, FEMA GIS connects every 20  
[Find similar items](#)
- FEMA NSS - Open Shelters**  
Layer | created Oct 29, 2018 | last modified Oct 29, 2018  
FEMA NSS - Open Shelters  
[Find similar items](#)
- FEMA EGIS**  
Organization by JacobStephens | created Oct 29, 2018 | last modified Oct 29, 2018  
[Find similar items](#)
- General Infrastructure: Hospitals**  
Map by JacobStephens | created Oct 29, 2018 | last modified Oct 29, 2018  
General Infrastructure Hospitals map for the Disasters Community.  
[Find similar items](#)

# Available CTK Plugins

## Community Search Plugin

Quickly find GeoPlatform portfolio resources associated with a community

## Map Plugin

Embed interactive GeoPlatform Open Maps with layer controls in community pages

## Portfolio Search Plugin

Advanced search against all GeoPlatform portfolio resources

# Demonstration

# Questions?

# GeoPlatform API

Provides access to the **GeoPlatform**, its **data resources**, and its **services** for **discovery**, **curation**, and **exploitation**.

- RESTful, JSON-based API
- Used by the CTK and all GeoPlatform apps and services
- Secured access supported using OAuth 2.0 and JWT

<https://www.geoplatform.gov/help/api/>

# What Can API Do?

- **Search** and **retrieve** portfolio resources
- **Create** and **curate** resources
- **Harvest** metadata and layer info from web services
- **Test** web services for **compliance** and **performance**
  - Using *FGDC Service Checker*
- **Import** ISO metadata as portfolio resources
- **Import** from **ArcGIS Online** and **Data.gov**



# API Support Libraries

**API Client** - portfolio-based service access classes and methods

**Map Core** - LeafletJS-based rendering and interacting with GeoPlatform Maps and Layers

**NG Common** - Angular 1.x front-end components and authentication support

**Style** - Less/CSS and JS to achieve the GeoPlatform look-and-feel

**GP OAuth** - links client applications to the GeoPlatform Identity Provider service

# Get Started using the GeoPlatform API

Quick-start guide available at:

<https://www.geoplatform.gov/help/api/getting-started/>

Walks through building a sample app using NodeJS, Angular 1.6, and the GeoPlatform API support libraries.

Source code available via the API Client GitHub repository:

<https://github.com/GeoPlatform/client-api/tree/master/examples/sample-app>

# Questions?

# Thanks!